

The Corporation of the City of Kawartha Lakes

Committee of the Whole Report

Report Number WM2019-012

Meeting Date: Tuesday November 5, 2019

Title: Making Waste Matter: Integrated Waste Management Strategy Update

Description: Update to the 2015 Integrated Waste Management Strategy for the period spanning 2020-2024

Ward Number: All

Author and Title: David Kerr, Manager Environmental Services

Recommendation(s):

That Report WM2019-012, Making Waste Matter Integrated Waste Management Strategy Update, be received;

That Council approves the Integrated Waste Management Strategy Update for implementation; and

That this recommendation be brought forward to Council for consideration at the next Regular Council Meeting.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

At the Council Meeting of October 27, 2015, Council adopted the following resolution:

CR2015-1119

RESOLVED THAT Report WM2015-011, Integrated Waste Management Strategy, be received;

THAT Council approves the Integrated Waste Management Strategy as appended to Report WM2015-011, as the guiding strategy to inform the City's Waste Management Program and waste master planning consideration;

THAT staff be directed to plan and phase-in the recommended initiatives, in consultation with Council and the Waste Management Strategy Task Force, as generally outlined in the appended Strategy; and

THAT the Waste Management Strategy Task Force's Terms of Reference be updated and approved to include the implementation of the Integrated Waste Management Strategy, as appended to this Report to November 30, 2018.

The Strategy stated that it would be critical to regularly review, update, and expand the document due to frequent and significant changes in waste management practices, legislation, and waste quantities in the municipality. Based on the frequency of these changes it has been determined that an update of the Strategy will occur every five years.

This Report addresses this direction.

Rationale:

Many of the initiatives and goals outlined in the original 2015 Strategy have been reviewed and accomplished. There are many new opportunities that have been explored in this update that will push Kawartha Lakes further towards accomplishing the goals of this Strategy. Waste management is entering a challenging and exciting time as the province is changing how it will operate for the future. The future will involve producers of goods taking responsibility for their disposal. These changes are already happening and will continue to happen over the next five years. Therefore our municipality needs to be prepared in our contracts and programs for collection services and processing of waste and recycling. It is equally important to note that as the waste management industry has been changing so rapidly over the last 5 years some of the initiatives identified in the 2015 Strategy are no longer applicable and need to be revised. The goal of the Making Waste Matter: Integrated Waste Management Strategy is to guide Kawartha Lakes towards an overall residential diversion rate of 70% by

the year 2048 through the phased implementation of strategically-chosen initiatives, operational updates, and education activities. Since the Strategy was adopted in 2015 the residential diversion rate has increased from 39% to 43%, which is a great success for the municipality.

Some of the initiatives that have been accomplished are outlined below:

Initiative	Result
Reduce	
Clear bag waste collection	20% less garbage is being picked up at the curb
Alternative daily cover (Fenelon and Somerville landfills)	Reduction in cover material purchased resulting in cost of cover savings and deferred landfill space savings
Increased tipping fees	Increased recycling and more realistic cost accounting for actual service
Backyard composter and digester program	300 composters and digesters sold
Reuse	
Local business partnerships (ex. Habitat for Humanity and other non-profit groups)	6 tonnes of reusable items donated to Habitat for Humanity
Electronic waste reduction/reuse database (through the Recycle Coach and Pingstreet apps)	over 8500 subscribers
Recycle	
Construction and Demolition waste recycling	40 tonnes of clean wood and drywall construction material diverted from the landfill and recycled
Mattress recycling	3500 mattresses diverted from the landfill and recycled
Innovate	
Continuing to collaborate with other communities and municipalities	Staff met four times per year with neighboring municipalities to share experience and program successes. As well attend Municipal Waste Association workshops
Continued public involvement with municipal and non-municipal research groups	Productive waste management related city advisory committees as well as

Update Process and Public Consultation

The update of the Making Waste Matter: Integrated Waste Management Strategy was led by the City's Waste Management Division with input from our City advisory committees (i.e. Lindsay and Fenelon landfill PRC's, and the Waste Management Advisory Committee), our Corporate Services staff, residents (both permanent and seasonal), local businesses and other municipal partners. A public meeting was held on June 26th 2019, and an online survey was available to the public from June 1st to July 15th. Roughly 200 responses to the survey were received.

The common themes expressed during public consultation included the need to:

- Increase public participation in waste management programs through the use of engaging, recognizable, and targeted education and promotion strategies
- Find innovative ways to reduce plastic waste in Kawartha Lakes and ensure environmental protection
- Provide options for source separated organics and food waste diversion

Preparing for the Future

When preparing for the future, it is important to consider where the community will continue to dispose of waste. Each of the five (5) open landfill sites operates under current approved capacity with forecasted closure dates. In anticipation of future disposal needs, a review of landfill expansion opportunities and required timelines for approval was conducted. This is summarized in the table below.

Landfill Site	Forecasted Closure Date	Expansion Possible	Time Required to Secure Approval
Lindsay Ops	2037	Yes	5-10 years
Fenelon	2024	No	N/A
Somerville	2084	Sufficient Capacity	N/A
Eldon	2046	No	N/A
Laxton	2024	No	N/A

** Note: these dates are based on current fill rates and as sites are progressively closed, waste will be diverted to the remaining open sites causing their closure dates to change*

To meet future waste management needs that address both our growing Kawartha Lakes demographics and our limited landfill capacity, the goal of increasing waste diversion rate to 70% from 39% by 2048 was set in the 2015 Strategy. This goal will be maintained in the Strategy Update.

Initiatives

The following summarizes a series of initiatives as vetted through the Strategy Update consultation and evaluation process for 2020-2024. More details on these initiatives is provided in the Strategy Update document. These initiatives provide the greatest positive impact to the current waste management program. The Kawartha Lakes Healthy Environment Plan was also consulted in determining these initiatives to ensure that the documents align. Of special note, specific programs will be scrutinized internally and detailed in a staff report to council prior to their implementation.

Reduce

- Increased Focus on Public Education (2020)
- Improved Backyard Composting Program (2021)
- Decrease Amount of Recycling allowed in Waste (2020-2021)
- Review Feasibility of a Source Separated Organics (SSO) Program (2021)
- Continually Improve Curbside Collection (2024)
- Corporate Waste Reduction Initiatives (2021-2023)

Reuse

- Textile Recycling/Reuse (2020)

Recycle

- Expand Mattress Recycling Program (2020)
- Improve Public Space Recycling (2020)
- Bulky Plastics Recycling (2020)

Innovate

- Explore Options to utilize the Fenelon and Laxton Landfills after their end of site life (2020)
- Start Environmental Assessment process (2020) to determine preferred long term option for end management of waste generated in the City

Committee Support

The Waste Management Advisory Committee has provided support and advice throughout the Strategy Update development. The Lindsay Ops Landfill and Fenelon Landfill PRC's were also consulted throughout the update process. The Waste Management committee and PRC's were provided draft copies of the Strategy Update and their comments were incorporated in the final version of the strategy update.

At the Fenelon Landfill Public Review Committee meeting on September 26, 2019 the following resolution was made:

Resolved that the Fenelon Landfill Public Review Committee support the Integrated Waste Management Strategy Update.

Moved By J. Taylor

Seconded By S. Britton Dankiw

Carried

At the Lindsay Ops Landfill Public Review Committee meeting on October 9, 2019 the following resolution was made:

Resolved that the Lindsay Ops Landfill Public Review Committee supports the Proposed Integrated Waste Management Strategy as outlined at the October 9, 2019 meeting and that the Strategy Update be presented at the Committee of the Whole meeting on November 5th for endorsement.

Moved By Chris Appleton

Seconded By Karen Buckley

Carried

At the Waste Management Advisory Committee meeting on October 21, 2019 the following resolution was made:

Resolved that the Waste Management Advisory Committee supports the Proposed Integrated Waste Management Strategy as outlined at the October 21, 2019 meeting and that the Strategy Update be presented at the Committee of the Whole meeting on November 5th for endorsement.

Moved By Andrew Veale

Seconded By Chris Appleton

Carried

Other Alternatives Considered:

Other alternatives such as the 'do nothing' approach does not achieve the 2015 Council resolution to support a waste management strategy and does not provide

a plan to reduce waste or extend the life of City landfills. Also, the 'do nothing' approach does not achieve incentives for diversion of waste.

Financial/Operation Impacts:

Detailed financial justification for specific programs will be scrutinized internally and detailed in a staff report to council prior to implementation. Initial estimates of landfill space savings for each initiative are listed in the Strategy Update document.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

The appended Integrated Waste Management Strategy is consistent with Council's strategic priority of a Healthy Environment. Specifically, the Strategy's overall goal of increasing the City's diversion rate to 70% will divert waste from landfills to extend their life, foster a Waste Less Living Philosophy to reduce the community's overall environmental footprint and provide the framework to improve the City's waste management infrastructure ensuring compliance with environmental legislation to protect the local environment.

Consultations:

Waste Management Advisory Committee

Lindsay Ops Landfill Public Review Committee

Fenelon Landfill Public Review Committee

Attachments:



Appendix A.
Integrated Waste Ma

Department Head E-Mail: brobansion@kawarthalakes.ca

Department Head: Bryan Robinson